

Diodes

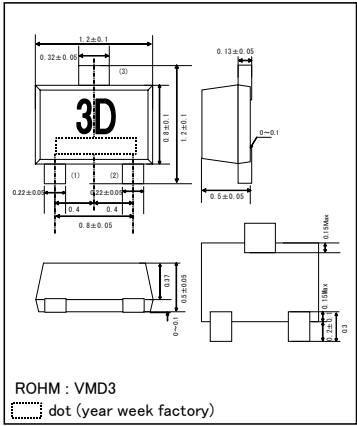
Schottky barrier diode

RB715Z

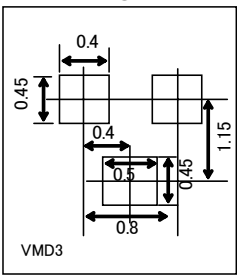
●Applications
General rectification

- Features
- 1) Extra small power mold type. (VMD3)
 - 2) Low V_F
 - 3) High reliability

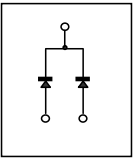
●External dimensions (Unit : mm)



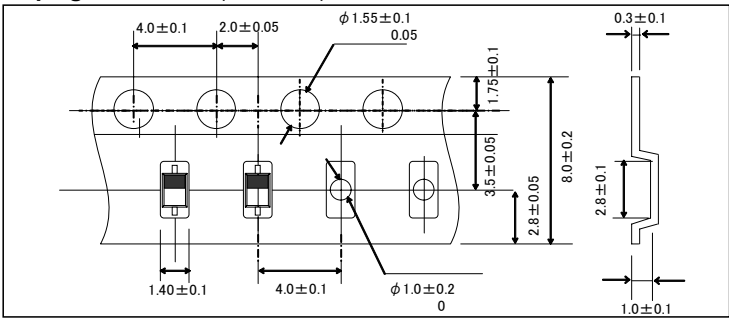
●Land size figure



●Structure



●Taping dimensions (Unit : mm)



●Absolute maximum ratings ($T_a=25^\circ\text{C}$)

Parameter	Symbol	Limits	Unit
Reverse voltage (repetitive peak)	V_{RM}	40	V
Reverse voltage (DC)	V_R	30	V
Average rectified forward current *	I_o	30	mA
Forward current surge peak (60Hz · 1cyc.)*	I_{FSM}	200	mA
Junction temperature	T_j	125	$^\circ\text{C}$
Storage temperature	T_{stg}	-40 to +125	$^\circ\text{C}$

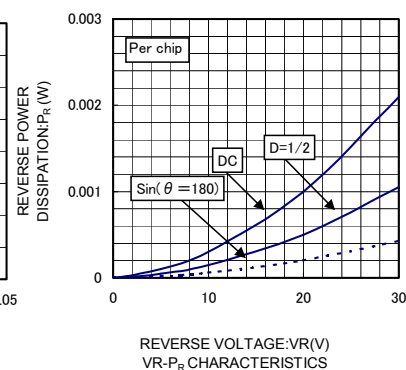
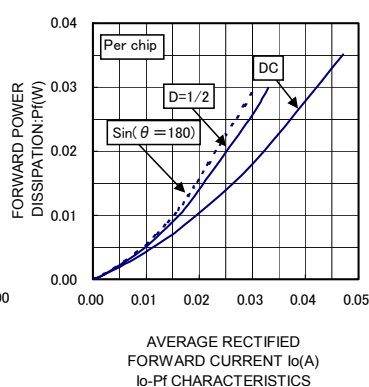
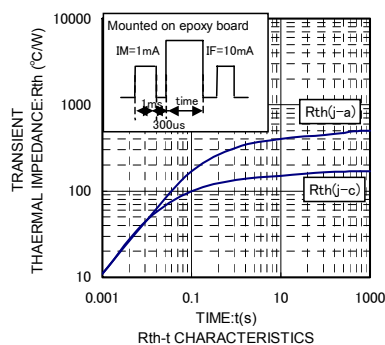
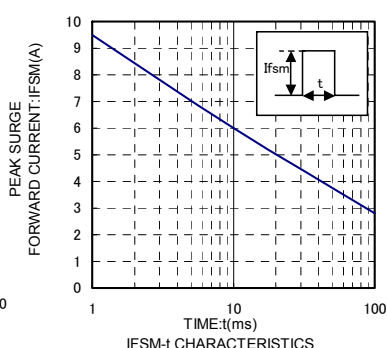
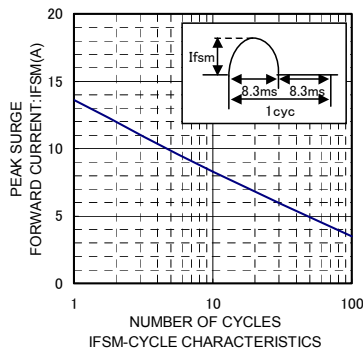
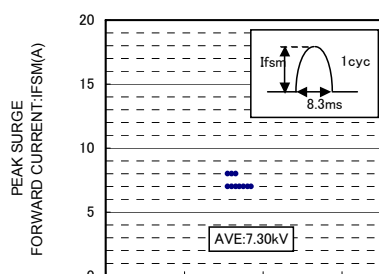
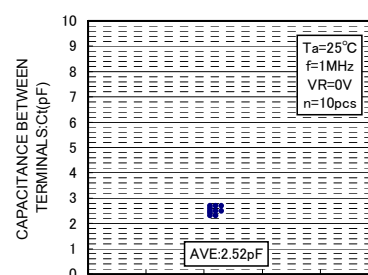
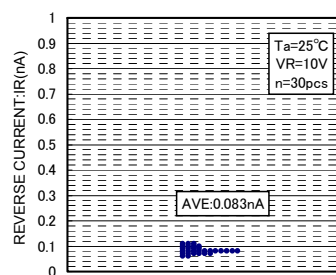
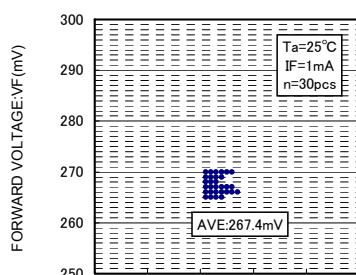
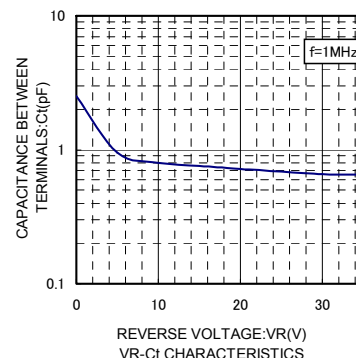
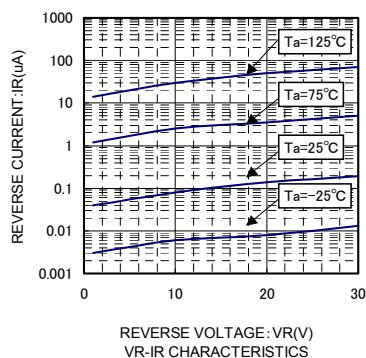
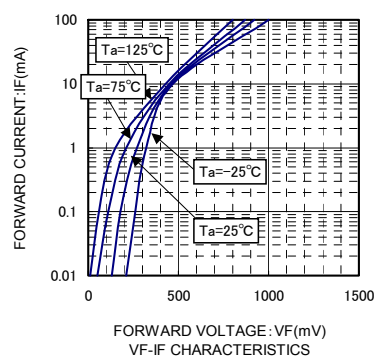
* Rating of per diode

●Electrical characteristic ($T_a=25^\circ\text{C}$)

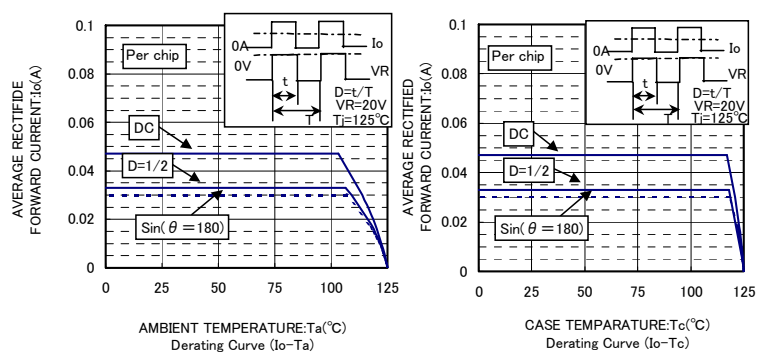
Parameter	Symbol	Min.	Typ.	Max.	Unit	Conditions
Forward voltage	V_F	—	—	0.37	V	$I_F=1\text{mA}$
Reverse current	I_R	—	—	0.5	μA	$V_R=30\text{V}$

Diodes

●Electrical characteristic curves



Diodes



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